

In the Claims:

Please amend the claims as follows:

1-14 (cancelled)

15. (previously amended) The control system according to claim 23, wherein each drive unit comprises one or more drives.

16-22 (cancelled)

23. (currently amended) A control system for controlling the movements of at least two manipulators, the control system comprising:

a main computer module configured to execute programs with instructions for movements of the at least two manipulators, to plan movement paths of the at least two manipulators, and to generate orders for the at least two manipulators based on the movement paths, ~~the main computer module comprising a casing surrounding the main computer module~~, the main computer module further comprising a power supply configured to supply power to the main computer module;

a drive module for each of the at least two manipulators, each drive module being physically separate from each other and from the main computer module, each drive module being operatively connected to the main computer and to one of the at least two manipulators, each drive module comprising

a drive unit that controls motors driving the movements of ~~one of the at least two manipulators~~ the manipulator to which the drive unit is operatively connected,

~~a casing surrounding the drive module,~~

a power supply configured to supply power to the drive module and supply power to ~~and control movements of one of the at least two manipulators~~ the manipulator to which the drive unit is operatively connected, and

an axis computer configured to provide control signals to the drive unit based on the orders received from the main computer module to control movement of the manipulator to which the drive unit is operatively connected, and

a communication network operatively connecting the main computer module and the drive modules.

24. (previously amended) The control system according to claim 23, wherein the communication network comprises an Ethernet link.

25. (cancelled)

26. (currently amended) The control system according to claim 23, further comprising:

a transformer module comprising a transformer, ~~a casing surrounding the transformer module~~ and a power supply, the transformer module being physically separated from the main computer module and the drive modules.

27. (currently amended) The control system according to claim 23, further comprising:  
a control module comprising a control panel of the control system, ~~a casing surrounding the control module~~, and a power supply, the control module being physically separate from the main computer module and the drive modules, the control module being operatively connected to the main computer module and the drive modules.

28. (currently amended) A method for controlling at least two manipulators with a control system, the method comprising:

planning with a main computer module movement paths of the at least two manipulators;  
generating with the main computer module orders for movement of the at least two manipulators based on the movement paths;

transmitting with from the main computer module through a communication network the orders for the at least two manipulators to at least two drive modules physically separate from each other and from the main computer module;

receiving through the communication network the orders from the main computer module  
providing with an axis computer included in each of the at least two physically separate drive modules;

generating with the axis computer control signals based on the orders received from the main computer module;

transmitting the control signals to the a drive unit included in each of the at least two physically separate drive modules; based on the orders received from the main computer module;  
and

driving and supplying power to motors of each of the at least two manipulators with a the

drive unit included in each of the at least two physically separate drive modules, wherein power is supplied to each manipulator with a power supply included in each drive module, to drive the movements of the at least two manipulators.